

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Clean Water Act, as amended, (33 U.S.C. §§1251 et seq.; the "CWA"), and the Massachusetts Clean Waters Act, as amended, (M.G.L. Chap. 21, §§ 26-53)

Boston Ship Repair, Inc.
32A Drydock Avenue
Boston, MA 02210

is authorized to discharge from the facility located at

32A Drydock Avenue
Boston, MA 02210

to receiving water named

Boston Inner Harbor to Massachusetts Bay (Boston Harbor Basin, MA70-02)

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on the date of signature if no comments are received during public notice. If comments are received during public notice, this permit will become effective on the first day of the calendar month following sixty (60) days after the date of signature.

This permit and the authorization to discharge expire at midnight, five (5) years from the last day of the month preceding the effective date.

This permit supersedes the permit issued on April 3, 2002.

This permit consists of 7 pages in Part I including effluent limitations, monitoring requirements, and state permit conditions, 35 pages in the Best Management Practices (BMP) document, and 25 pages in Part II, Standard Conditions.

Signed this day of , 2007

Stephen S. Perkins, Director
Office of Ecosystem Protection
Environmental Protection Agency
Boston, MA

Glenn Haas, Director
Division of Watershed Management
Bureau of Resource Protection
Department of Environmental Protection
Commonwealth of Massachusetts
Boston, MA

Part 1.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge Graving Dock Dewatering (Main Pump) water and storm water from outfall serial number 001 . Such discharges shall be limited and monitored by the permittee as specified below:				
<u>EFFLUENT CHARACTERISTIC</u>	<u>EFFLUENT LIMITS</u>		<u>MONITORING REQUIREMENTS</u>	
PARAMETER	<u>AVERAGE MONTHLY</u>	<u>MAXIMUM DAILY</u>	<u>MEASUREMENT FREQUENCY</u>	<u>SAMPLE TYPE</u>
Total Flow	*****	Report GPD	Daily when discharging	Estimate ¹

2. During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge Graving Dock Dewatering water (Stripping Pump) and storm water from outfall serial number 002 . Such discharges shall be limited and monitored by the permittee as specified below:				
<u>EFFLUENT CHARACTERISTIC</u>	<u>EFFLUENT LIMITS</u>		<u>MONITORING REQUIREMENTS</u>	
PARAMETER	<u>AVERAGE MONTHLY</u>	<u>MAXIMUM DAILY</u>	<u>MEASUREMENT FREQUENCY</u>	<u>SAMPLE TYPE</u>
Total Flow	*****	Report GPD	Daily when discharging	Estimate ¹
Total Suspended Solids	Report mg/l	Report mg/l	Weekly when discharging	Grab ²
Priority Pollutant Scan	Report All Results		1/Year	Grab ³

Footnotes:

- For flow, report daily rates and total flow for each operating date. Attach this data to each Discharge Monitoring Report (DMR) form. Effluent flow can be measured or estimated through the use of pump capacity curves consistent with the pumps used at the site.
- Sampling shall be conducted at a point prior to discharge to Outfall 002 and prior to mixing with any other stream. Any change in sampling location must be reviewed and approved in writing by EPA and MassDEP. All samples shall be tested using the analytical methods found in 40 CFR §136, or alternative methods approved by EPA in accordance with the procedures in 40 CFR 136.
- A priority pollutant scan shall be conducted once per year, during the calendar quarter of April to June. Sampling for this scan shall be conducted while a vessel is docked and repairs on the outside of such vessel are being conducted, such as abrasive blasting or welding. The result of this scan, including all lab results, shall be submitted with the quarterly DMR submittal which is due by July 15th. The list of parameters to be tested is found in Part C of EPA's Form 2C application. Sampling for this scan shall be conducted any time when there is no precipitation and at least 48 hours after a storm event that was greater than 0.1 inches in magnitude.

Part 1.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (CONTINUED)

3. During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge non-contact ocean water associated with the Fire Suppression Main and Cooling Pump system through outfall serial number 003 . Such discharges shall be limited and monitored by the permittee as specified below:				
<u>EFFLUENT CHARACTERISTIC</u>		<u>EFFLUENT LIMITS</u>		<u>MONITORING REQUIREMENTS</u>
PARAMETER	<u>AVERAGE MONTHLY</u>	<u>MAXIMUM DAILY</u>	<u>MEASUREMENT FREQUENCY</u>	<u>SAMPLE TYPE</u>
Total Flow	*****	Report GPD	Daily when discharging	Estimate ¹

4. During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge ocean water from the Caisson Ballast system from outfall serial number 005 . Such discharges shall be limited and monitored by the permittee as specified below:				
<u>EFFLUENT CHARACTERISTIC</u>		<u>EFFLUENT LIMITS</u>		<u>MONITORING REQUIREMENTS</u>
PARAMETER	<u>AVERAGE MONTHLY</u>	<u>MAXIMUM DAILY</u>	<u>MEASUREMENT FREQUENCY</u>	<u>SAMPLE TYPE</u>
Total Flow	*****	Report GPD	Daily when discharging	Estimate ¹

Footnotes:

1. For flow, report maximum and minimum daily rates and total flow for each operating date. Attach this data to each DMR form. Effluent flow can be measured or estimated through the use of pump capacity curves consistent with the pumps used at the site.

Part I.A. (Continued)

- a. The discharge shall not cause a violation of the water quality standards of the receiving waters.
- b. The discharge shall not cause objectionable discoloration of the receiving waters.
- c. The effluent shall contain neither a visible oil sheen, foam, nor floating solids at any time.
- d. The results of sampling for any parameter above its required frequency must also be reported.
- e. Discharges to Boston Inner Harbor shall be adequately treated to insure that the surface water remains free from pollutants in concentrations or combinations that settle to form harmful deposits, float as foam, debris, scum or other visible pollutants. Such discharges shall be adequately treated to insure that the surface waters remain free from pollutants which produce odor, color, taste, or turbidity in the receiving water which is not naturally occurring and would render it unsuitable for its designated uses.

5. Toxics Control

- a. The permittee shall not discharge any pollutant or combination of pollutants in toxic amounts.
- b. Any toxic components of the effluent shall not result in any demonstrable harm to aquatic life or violate any state or federal water quality standard which has been or may be promulgated. Upon promulgation of any such standard, this permit may be revised or amended in accordance with such standards.

6. Numerical Effluent Limitations for Toxicants

EPA or MassDEP may use the results of the chemical analyses conducted pursuant to this permit, as well as national water quality criteria developed pursuant to Section 304(a)(1) of the Clean Water Act (CWA), state water quality criteria, and any other appropriate information or data, to develop numerical effluent limitations for any pollutants, including but not limited to those pollutants listed in Appendix D of 40 CFR Part 122.

7. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

(1) One hundred micrograms per liter (100 ug/l);

(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;

- (3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or
 - (4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).
- b. That any activity has occurred or will occur which would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
- (1) Five hundred micrograms per liter (500 ug/l);
 - (2) One milligram per liter (1 mg/l) for antimony;
 - (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or
 - (4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).
- c. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.
8. This permit may be modified, or revoked and reissued, on the basis of new information in accordance with 40 CFR §122.62.

B. UNAUTHORIZED DISCHARGES

The permittee is authorized to discharge only in accordance with the terms and conditions of this permit and only from the outfalls listed in Parts I A.1. through I.A.4. of this permit. Discharges of wastewater from any other point sources are not authorized by this permit and shall be reported in accordance with Section D.1.e. (1) of the General Requirements (Part II) of this permit (Twenty-four hour reporting).

C. BEST MANAGEMENT PRACTICES (BMP) PLAN

The permittee is responsible for the implementation of all best management practices (BMPs) for all discharges and facility operations. The Best Management Practices Document, dated January 2002, is a fully enforceable element of this permit. The permittee shall assure that various wastes and solids that are generated in the dry-dock and on the vessels being serviced are not discharged to Boston Inner Harbor. Upon the effective date of this permit, the permittee must review the entire BMP document and determine whether it is fully implemented and meeting its goals. If the plan is found to be deficient in any area, the permittee shall amend the BMP document as necessary to incorporate any changes to facility operations that may result in the discharge of pollutants not currently addressed in the permit or the BMP plan or to improve upon existing measures. Additionally, the permittee is responsible for all necessary training of BSR

personnel adequate to insure that all BMPs are properly implemented at all times. The current version of the BMP plan shall be kept on site, implemented and available to EPA and MassDEP personnel upon request.

D. MONITORING AND REPORTING

Reporting

Monitoring results obtained during each calendar quarter shall be summarized and reported on monthly Discharge Monitoring Report Form(s) postmarked no later than the 15th day of the month following the end of each calendar quarter. The permittee shall attach all daily flow recording sheets to each DMR.

Signed and dated originals of these, and all other reports required herein, shall be submitted to the Director and the State at the following addresses:

Environmental Protection Agency
Water Technical Unit (SEW)
P.O. Box 8127
Boston, Massachusetts 02114

The State Agency is:

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention
Northeast Regional Office
205B Lowell Street
Wilmington, MA 01887

Signed and dated Discharge Monitoring Report Forms required by this permit shall also be submitted to the State at:

Massachusetts Department of Environmental Protection
Division of Watershed Management
Surface Water Discharge Permit Program
627 Main Street, 2nd Floor
Worcester, Massachusetts 01608

E. STATE PERMIT CONDITIONS

This discharge permit is issued jointly by the U. S. Environmental Protection Agency (EPA) and the Massachusetts Department of Environmental Protection (MassDEP) under Federal and State law, respectively. As such, all the terms and conditions of this permit are hereby incorporated into and constitute a discharge permit issued by the Commissioner of the MassDEP pursuant to M.G.L. Chapter 21, §43.

Each Agency shall have the independent right to enforce the terms and conditions of this permit. Any modification, suspension or revocation of this permit shall be effective only with respect to the Agency taking such action, and shall not affect the validity or status of this permit as issued by the other Agency, unless and until each Agency has concurred in writing with such modification, suspension or revocation. In the event any portion of this permit is declared, invalid, illegal or otherwise issued in violation of State law such permit shall remain in full force and effect under Federal law as an NPDES permit issued by the U.S. Environmental Protection Agency. In the event this permit is declared invalid, illegal or otherwise issued in violation of Federal law, this permit shall remain in full force and effect under State law as a permit issued by the Commonwealth of Massachusetts.